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*My dear Mr. ———*

It has seemed desirable in connection with the reorganization of the National Research Council on a peace basis to bring together and to place definitely on record the objects and the conditions of gift of the various funds donated for the work of the Council. The following statement concerning the fund ..... has been drawn up by ..... , Chairman of the Division ..... who controls the expenditure of this fund. May I ask you to examine this statement and to inform me whether it is in essential agreement with your record and particularly whether the mode of accounting for expenditures from this fund is entirely satisfactory to .....

Yours very truly,

.....  
*Treasurer.*

Concerning the matter of the organization of the Division of Educational Relations it was

*Moved:* That the Interim Committee recommend to the Executive Board the approval of the election of Mr. Vernon Kellogg as Chairman of the Division of Educational Relations. (*Adopted.*)

The question of traveling expenses of Chairmen of Divisions when called to Washington while on leave of absence was considered. After discussion it was

*Moved:* That when members of the Executive Board or of the Interim Committee on leave are required to travel to Washington on official business their traveling expenses, when approved by the Chairman, shall be paid by the National Research Council. (*Adopted.*)

The Chairman reported that the Psychology Section of the Division of Anthropology and Psychology was in process of organization.

The Interim Committee adjourned at 11.10 a.m. to meet at the call of the Chair.

PAUL BROCKETT, *Assistant Secretary.*

#### MINUTES OF THE MEETING OF THE EXECUTIVE BOARD OF THE NATIONAL RESEARCH COUNCIL ON AUGUST 12, 1919

AT THE OFFICE OF THE NATIONAL RESEARCH COUNCIL AT WASHINGTON, D. C.

The meeting was called to order at 9.55 a.m. with Mr. Angell in the chair.

Present: Messrs. Abbot, Adams, Angell, Barrows, Flinn, H. M. Howe, H. E. Howe, Hussey, Johnston, Kellogg, Ransome, Wood, Woodward, Yerkes, and by invitation J. H. J. Yule.

The minutes of the meeting of the Executive Board of the National Research Council of June 24 were approved as circulated with certain textual corrections.

The Treasurer, Mr. Ransome, presented a financial statement for the month of June, stating that the report for July was in preparation and would be distributed shortly.

Mr. Woodward, as chairman of a committee appointed at the meeting of the Executive Board on May 8, 1919, recommended for approval the following resolution:

WHEREAS the inauguration of any important enterprise for the improvement and progress of communities or states requires that its affairs be conducted by men whose altruism and fidelity command confidence; and whereas the office of Treasurer of the National Academy of Sciences and of the National Research Council, held by Mr. Whitman Cross during the past year and four months, is a position of vital and exacting responsibilities, therefore, be it

RESOLVED, That the National Research Council hereby expresses and records its cordial appreciation of the laborious and painstaking services rendered by Mr. Cross during this formative period of the Council, when there was special need of the patriotism and the altruism he displayed in his work.

*Moved:* That the report of the Committee be accepted by the Executive Board as expressing its appreciation of the services rendered by the Treasurer, Mr. Whitman Cross, and that the Secretary be instructed to transmit a copy of this minute and report to Mr. Whitman Cross. (Adopted.)

Mr. Kellogg, Chairman of the Division of Educational Relations presented the following recommendations:

In compliance with action of the Interim Committee at its meeting on June 17, 1919, it is recommended, after discussion and agreement with the Executive Committee of the Division of Biology and Agriculture at its recent meeting at Woods Hole, that informal liaison be maintained between the Committee on Educational Relations of the Division of Biology and Agriculture and the Division of Educational Relations through the chairmen of these Divisions, instead of by the appointment of a liaison member from the former in the latter Division.

The question of coördination of Divisions of Science and Technology with the Division of Educational Relations has been considered. It is believed that the action of the Interim Committee on June 17, to the effect that chairmen of divisions be present whenever possible at the meetings of other divisions, sufficiently covers this situation, and it is recommended that this system be developed and maintained.

*Moved:* That the recommendations of the Division of Educational Relations be approved. (Adopted.)

The following nominations were presented by the Chairman of the Division of Educational Relations for membership in that Division:

*Representing the Association of American Universities*—President A. Ross Hill, University of Missouri, Columbia, Mo.

*Representing the American Association of University Professors*—Professor E. Percival Lewis, Professor of Physics, University of California, Berkeley, California.

*Moved:* That the nominations of President A. Ross Hill, of the University of Missouri, and Professor E. Percival Lewis, of the University of California, be approved, with recom-

mendation to the President of National Academy of Sciences that they be appointed members of the National Research Council and assigned to the Division of Educational Relations.  
(*Adopted.*)

*Moved:* That the appointment of Mr. Vernon Kellogg as Chairman of the Division of Educational Relations as of July 15, 1919, be approved.  
(*Adopted.*)

Mr. Yerkes, Chairman of the Research Information Service, asked further consideration of the price to be charged for certain bulletins of the National Research Council.

*Moved:* That the price of certain bulletins be fixed at one cent a page instead of one-half cent a page.  
(*Adopted.*)

*Moved:* That in each case the authors be requested to indicate if they desire separates, and that the Board authorize the supplying of fifty copies of a reprint to each of the authors gratis.  
(*Adopted.*)

In compliance with action of the Interim Committee at its meeting on June 17, 1919, which provided that the Research Information Service be instructed to investigate and report on the desirability of preparing for publication a record of the work of scientific men in connection with the War, Mr. Yerkes, Chairman of the Division reported a diversity of opinion in the several Divisions, and recommended as a result of his investigation that action with reference to this matter be left, at least for the present, entirely to the initiative of the Divisions.

*Moved:* That the report and recommendation of the Chairman of the Research Information Service be approved.  
(*Approved.*)

Mr. Yerkes asked consideration of the preparation of a volume in the Century Series on "The War and Science," which he has in preparation in coöperation with Mr. H. M. Howe.

*Moved:* That Mr. Yerkes and Mr. Howe be authorized and requested to prepare the manuscript on the volume in the Century Series, entitled "The War and Science," without expense to the Council.  
(*Adopted.*)

*Moved:* That the Research Information Service be required to establish and maintain a Personnel Bureau in connection with the service, which shall include a research personnel list in science and technology.  
(*Adopted.*)

*Moved:* That Mr. G. S. Fulcher be appointed Scientific Associate from July 1, 1919.  
(*Adopted.*)

Mr. H. M. Howe, Chairman of the Division of Engineering, presented the resignation of Mr. G. H. Clevenger as Vice Chairman of the Division.

*Moved:* That the resignation of Mr. Clevenger be accepted with regret, and that a vote of thanks of the Board be extended to him for efficient and faithful service.  
(*Adopted.*)

Mr. Howe presented an informal statement of the work of the Division of Engineering.

Mr. Howe presented to the Executive Board his resignation as Chairman of the Division of Engineering.

*Moved:* That the resignation of Mr. Henry M. Howe as Chairman of the Division of Engineering be accepted with regret, and that the National Research Council desires to express its appreciation of the valuable services which Mr. Howe has rendered to the Council in its work, both as Chairman of the Division of Engineering, and as Scientific Attaché of the United States and representative of the Research Information Service at Paris. (Adopted.)

Mr. Howe inquired whether there was any objection on the part of the Executive Board to the printing of the scientific papers prepared by those connected with the Division in scientific journals provided due credit was given to the Council for the work.

*Moved:* That on the title page of scientific papers from the Division of Engineering published in journals other than those of the National Academy of Sciences and the National Research Council, a footnote be included to read as follows: "Progress Report on Research under the Division of Engineering, National Research Council." (Adopted.)

*Moved:* That the name of the Committee on "Improvements of Metals at Blue Heat" be changed to "Physical Changes in Iron and Steel Below the Thermal Critical Range." (Adopted.)

*Moved:* That the Research Committee of the American Bureau of Welding be designated as The Welding Research Committee of the Division of Engineering of the National Research Council. (Adopted.)

*Moved:* That the Executive Board approve of the publication of a booklet on the relation of the Engineering Foundation to the National Research Council, if funds are provided. (Adopted.)

Mr. Hussey, Vice-Chairman of the Division of Medical Sciences presented the following nominations for membership in that Division:

*Representing the American Anatomical Society*—Professor Clarence M. Jackson, University of Minnesota.

*Representing the American Neurological Society*—Dr. E. E. Southard, 74 Fenwood Road, Boston, Mass.

*Moved:* That the nominations of Professor Clarence M. Jackson and Dr. E. E. Southard be approved, with recommendation to the president of the National Academy of Sciences that they be appointed members of the National Research Council and assigned to the Division of Medical Sciences. (Adopted.)

*Moved:* That the Division of Medical Sciences, in view of the special conditions presented by Mr. Hussey, Vice-Chairman of the Division, be authorized to act in the election of a representative from the Public Health Service on the Division of Medical Sciences, subject to the approval of the Council of the National Academy of Sciences. (Adopted.)

The Chairman of the Council stated that Dr. Christian would report for duty as Chairman of the Division of Medical Sciences on October 1, 1919.

The Chairman of the Council presented the following report from the Executive Committee of the Division of Biology and Agriculture:

1. That Miss Isabel Bevier, Head of the Department of Domestic Science of the University of Illinois has been recommended for appointment on the Committee on Human Nutrition, and Mr. W. H. Jordan of the New York Agricultural Station at Geneva and President Raymond A. Pearson of the State Agricultural College of Iowa, Ames, Iowa, for appointment on the Committee on Animal Nutrition.

2. That Messrs. L. O. Howard, W. E. Osgood, C. E. Allen, K. F. Kellerman, G. M. Dugger have been appointed as new members of the Committee on Cooperation and Coordination.

3. That the Organization Committee on Forestry has been made a standing committee of the Division. *(Approved.)*

The Chairman of the Council also presented the following recommendation of the Executive Committee of the Division of Biology and Agriculture:

That in connection with the matter of the needs of the Marine Biological Laboratory a sum of money (about \$130,000 will be needed) be appropriated for the construction, equipment, and maintenance of a new laboratory as outlined in the report of the Committee on the Marine Biological Laboratory; and that the annual sum of \$5000 for five years be also appropriated for use in connection with accessions for the Marine Biological Laboratory Library.

After considerable discussion of the purposes of the Council, it was

*Moved:* That further consideration of this matter be postponed until the next meeting of the Executive Board. *(Adopted.)*

But as an outcome of the general discussion it was further

*Moved:* That the National Research Council give its moral support to the work of the Marine Biological Laboratory at Woods Hole, approve the program of the Laboratory for the enlargement of its facilities for scientific research, with the statement that active steps for the encouragement of this work are under consideration. *(Adopted.)*

It was the understanding that a copy of this minute, together with descriptive material, would be mailed to the members of the Executive Board for their consideration, and that the matter would come up for further action at the next meeting.

The Chairman of the Council also presented, for the Executive Committee of the Division of Biology and Agriculture the recommendation that a publication fund of \$20,000 per year for a period of five years be granted to that Division.

*Moved:* That the Finance Committee of the National Research Council be instructed to consider and if practicable secure a publication fund of \$20,000 per year for a period of five years to be appropriated to the Division of Biology and Agriculture. *(Adopted.)*

It was understood that the Division of Biology and Agriculture would control the expenditure of this fund.

The Executive Board took a recess at 1.50 to meet again at 3.00 p.m.

The Executive Board resumed its meeting at 3 p.m.

The following nomination was presented by Mr. Barrows, Executive Secretary of the Division of States Relations for membership in that Division:

*Representing the Association of American State Geologists*—Mr. Frank W. DeWolf, State Geologist of Illinois, Urbana, Illinois.

*Moved:* That the nomination of Mr. Frank W. DeWolf be approved with the recommendation to the President of the National Academy of Sciences that he be appointed a member of the National Research Council and assigned to the Division of States Relations. (Adopted.)

The following nominations for the Divisions mentioned, as members in the Division of States Relations were approved:

Industrial Relations.....	Mr. H. E. Howe
Chemistry and Chemical Technology.....	Mr. W. D. Bancroft
Geology and Geography.....	Mr. E. B. Mathews
Educational Relations.....	Mr. Vernon Kellogg

The following motion was presented:

*Moved:* That, beginning July 1, 1919, following each regular meeting of the Executive Board, a bulletin be published which shall include at the discretion of the Secretary the minutes and records of action of the Executive Board, and of the Interim Committee, of Divisions and of their Executive Committees, and of other administrative committees of the Council, for the interval following the preceding meeting of the Executive Board.

*Moved:* That the motion be laid on the table. (Adopted.)

The following motion relating to a bulletin on the History of the Organization of the National Research Council was presented:

*Moved:* That a bulletin be published to record the actions taken to effect the permanent organization of the National Research Council, and of its several Divisions, which shall include at the discretion of the Secretary pertinent minutes and records of actions of committees, governing boards, and Divisions. (Adopted.)

Mr. Wood presented a mimeographed copy of the organization of the National Research Council as of June 24, 1919, which he had prepared, stating that the lists were not entirely complete.

*Moved:* That this organization be held until complete, and then included in the bulletin of the history of the organization. (Adopted.)

The Chairman stated that Mr. Leuschner would not be able to return to the Council to continue as Secretary, and that the Council appreciated the work he had done as Secretary and the sacrifice which he had made in leaving his scientific work in California in order to aid at a critical period.

The Chairman also stated that in the absence of Mr. Leuschner the work of the office of the Secretary had been carried on very ably by Mr. Wood, whose services were greatly appreciated by the Council.

Following the instructions of the Interim Committee at its meeting of July 15, 1919, Mr. H. E. Howe, as Chairman of the Committee on Organization of Administration, presented the following motions:

*Moved:* That beginning with this date all committees of the Council and its Divisions shall terminate June 30, 1920 and thereafter all committees except Executive Committees of Divisions shall unless previously discharged terminate on June 30 of each year. (Adopted.)

*Moved:* That the Executive Committees of Divisions shall be elected at the annual meetings for the succeeding year. (Adopted.)

Mr. Hussey suggested that two committees, one on Organization of Administration and the other the Budget Committee, be combined.

*Moved:* That the Committee on Organization of Administration and the Budget Committee be discharged, that the joint functions of the two committees be combined, and that the Chairman be authorized to appoint a new committee of three on Organization and Budget. (Adopted.)

The Chairman thereupon appointed the following to serve on this Committee: Mr. H. E. Howe, Chairman, Mr. F. L. Ransome, Mr. Vernon Kellogg.

*Moved:* That the Chairman be authorized to appoint a committee of three on publicity, with Mr. Vernon Kellogg as Chairman. (Adopted.)

The Chairman thereupon appointed the following to serve with Mr. Kellogg on this committee: Mr. R. M. Yerkes, Mr. H. E. Howe.

The Chairman announced to the Executive Board the death of Mr. Andrew Carnegie, philanthropist, and it was the unanimous opinion of the Board that resolutions should be adopted showing the appreciation of what Mr. Carnegie had done for the advancement of scientific research.

*Moved:* That the Chairman be authorized to appoint a committee to draft resolutions regarding the life and work of Mr. Carnegie, and to report at the next meeting of the Executive Board. (Adopted.)

The Chairman thereupon appointed the following to serve on this committee: Mr. R. S. Woodward, Chairman, Mr. C. D. Walcott.

The Chairman, Mr. Angell, presented a communication from Mr. Benjamin S. Hanchett, Regent of the University of Michigan, addressed to and enclosed with one from Mr. M. E. Cooley, Dean of the Colleges of Engineering and Architecture of Michigan concerning a proposed industrial research laboratory at the University of Michigan, which is to be established through gifts from a Manufacturers Association of the state of Michigan, asking an opinion as to the advisability of the University of Michigan entering into this new field. These communications are filed in the office of the Chairman of the Council.

*Moved:* That if invited by the responsible authorities of the University of Michigan the National Research Council is ready to express an opinion in the matter. (Adopted.)

*Moved:* That the Executive Board adjourn to October 14, 1919, subject to the call of the Chair. (Adopted.)

The meeting adjourned at 4.50 p.m.

PAUL BROCKETT, *Assistant Secretary.*